1499

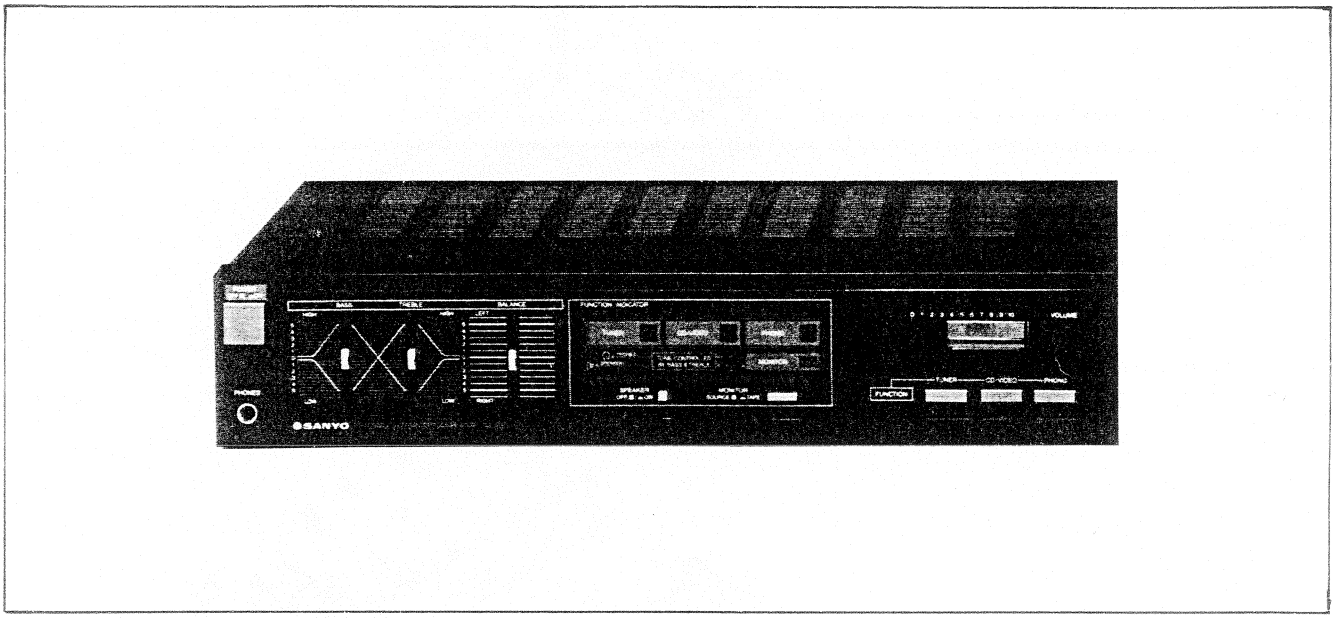
SERVICE MANUAL

POWER AMPLIFIER

SANYO

JA 226 BLACK

(EUROPE)



SPECIFICATIONS

The below mentioned specifications are mainly based on the IHF measurements standard. They can therefore not directly be compared with specifications based on the DIN standard or other standards.

Continuous output power	20 W x 2 (at 8 ohms, 1.0% distortion)
Input sensitivity and impedance	
PHONO	2.5 mV/47 kohms
CD/VIDEO	150 mV/47 kohms
Frequency response	20 Hz – 20 kHz (CD/VIDEO)
Tone control response	
BASS	±8 dB (at 100 Hz)
TREBLE	±8 dB (at 10 kHz)
Signal to noise ratio	85 dB (CD/VIDEO)
Power requirements	AC: 220 V, 50 Hz
Power consumption	130 W
Dimensions (W x D x H)	Approx. 420 x 200 x 85 mm (16-1/2" x 7-7/8" x 3-3/8")
Weight	Approx. 3.5 kg (8 lbs.)

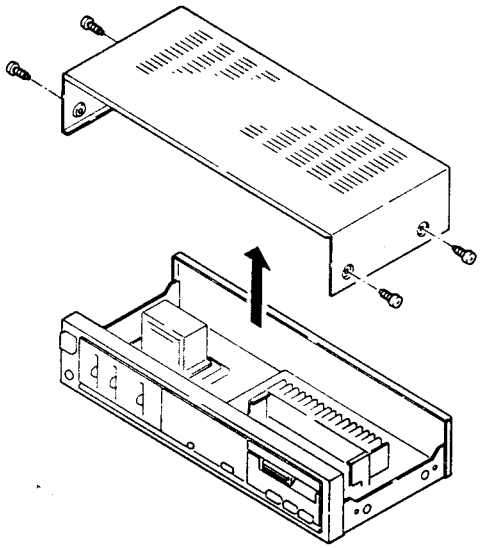
—Specifications subject to change without notice.

WM-15481

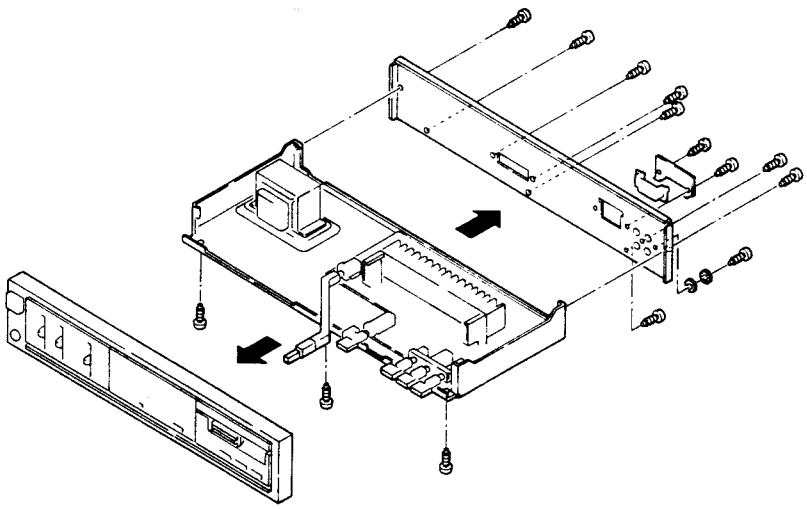
1499

DISASSEMBLY

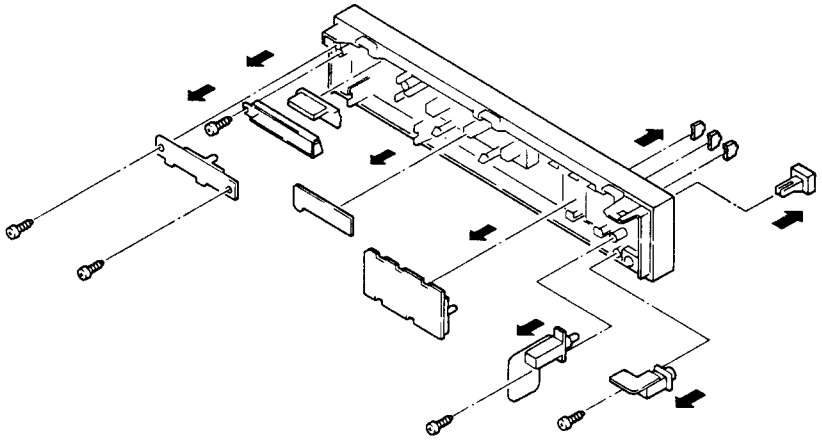
Cabinet Disassembly



Front Panel and Back Lid Disassembly



PCB Disassembly



PARTS LIST

PRODUCT SAFETY NOTICE

Each precaution in this manual should be followed during servicing. Components identified with the IEC symbol ⚠ in the parts list and the schematic diagram designate components in which safety can be of special significance. When replacing a component identified with ⚠, use only the replacement parts designated, or parts with the same ratings of resistance, wattage or voltage that are designated in the parts list in this manual.
Leakage-current or resistance measurements must be made to determine that exposed parts are acceptably insulated from the supply circuit before returning the product to the customer.

NOTE:
* Materials of Capacitors and Resistors are abbreviated as follows;

AL ELECT .....Aluminum Electrolytic
BC CON .....Semiconductor Ceramic
CHIP BC .....Chip Semiconductor Ceramic
CHIP TAN .....Chip Tantal
ELECT .....Electrolytic
PP CON .....Polypropylene
MT GLAZE .....Metal Glaze
FP CARBON .....Flameproof Carbon

* Tolerance of Capacitors and Resistors are noted with follow symboles;

J .....±5%
K .....±10%
M .....±20%
N .....±30%
P .....+100−0%
Q .....+30−10%
Z .....+80−20%

PACKING & ACCESSORIES

Ref. No.	Part No.	Description
	141-6-235T-35601	INNER POLYE LAMINA COVER
	141-6-235T-35605	INNER POLYE LAMINA COVER
	141-6-409T-23500	INST MANUAL
	141-6-144T-93000	FOAM PLASTIC CASE
	141-6-133T-71100	INNER CORR CASE
	141-6-415T-32300	NOTICE

CABINET & CHASSIS

Ref. No.	Part No.	Description
1	141-2-111T-58270	CABINET
2	141-2-156T-37900	CUP KNOB, POWER SWITCH
3	141-2-160T-60500	PUSH BUTTON, POWER SWITCH
4	141-2-164T-40900	SLIDE KNOB, BASS/TREBLE/BALANCE
5	141-2-160T-60800	PUSH BUTTON, SPEAKER SWITCH
6	141-2-253T-27900	JOINT, SPEAKER SWITCH
7	141-2-160T-60430	PUSH BUTTON, MONITOR SWITCH
8	141-2-160T-60300	PUSH BUTTON, FUNCTION SWITCH
9	141-2-164T-40700	SLIDE KNOB, MAIN VOLUME
10	141-2-448T-16700	CUSHION, MAIN VOLUME
11	141-2-290T-12500	BRACKET, MAIN VOLUME
13	141-6-472T-20630	CAUTION LABEL
14	141-0-122T-61500	FRONT PANEL ASSY
15	141-2-310T-68401	BRACKET, HEAT SINK, RIGHT
16	141-2-310T-68501	BRACKET, HEAT SINK, LEFT
17	141-2-464T-14400	FIXER, AC POWER CORD
18	141-2-210T-71200	BRACKET, LEAD, LARGE
19	141-2-210T-71300	BRACKET, LEAD, SMALL
20	141-2-126T-55600	BACK LID
21	123-2-472R-00401	LUG, MECHANISM GROUND
22	141-2-125T-31904	BOTTOM LID
23	141-2-174T-13100	STAND
Y1	BJBYS++3+8+Z1	BIND HD SCREW 3X8
Y2	BJB2S++3+8+Z1	BIND HD 2 TAPPING SCREW 3X8
Y3	BJX6S++3+8+Z1	PAN WASHER HD 2 TAPPING SCREW 3X8
Y4	BJESS++4+8+Z1	BIND HD S TITE SCREW 4X8
Y5	BJB2S++310+Z1	BIND HD 2 TAPPING SCREW 3X10
Y6	BJB2S++3+8+ZK	BIND HD 2 TAPPING SCREW 3X8
Y7	BJESS++3+8+Z1	BIND HD S TITE SCREW 3X8
Y8	WJHGK++3K0CZ1	OUTER TOOTHED LOCK WASHER 3X6.5X0.45T
Y9	141-2-421T-28800	SPECIAL SCREW
Y10	BJESS++3+6+Z1	S M BIND H 3X6Z1
Y11	WJBWS++3J05N1	WASHER 3

ELECTRICAL PARTS

Ref. No.	Part No.	Description
50	⚠ 4-243T-84973	AC POWER CORD
51	141-2-368T-26101	HEAT SINK
52	141-2-243T-09800	BASE, TRANSISTOR
53	141-2-327T-26100	INSULATOR, TRANSISTOR
54	⚠ 4-320T-03300	POWER TRANSFORMER
62	4-285T-35400	P.C BOARD, AC, PRIMARY
64	⚠ 4-234T-11088	FUSE, T2A 250V (F701/801)
or	4-240T-16577	SOCKET, PLAYER
65	⚠ 4-234T-11084	FUSE, T1A 250V (F901)
	4-240T-83573	SOCKET, 3P
	4-240T-83575	SOCKET, 5P
	4-240T-83577	SOCKET, 7P
	4-240T-47673	SOCKET, 3P
	4-240T-83578	SOCKET, 8P

TONE/BALANCE PCB ASSY

Ref. No.	Part No.	Description
55	141-4-285T-34700	P.C BOARD ASSY, TONE/BALANCE
VR701	4-220T-26073	VARIABLE RESISTOR, 250KW, BALANCE
VR751,851	4-220T-07674	VARIABLE RESISTOR, 100KC, BASS
VR752,852	4-220T-07674	VARIABLE RESISTOR, 100KC, TREBLE
C718	CB+25223KRXRF	BC CON 0.022MF 25V K R XR
C719	CB+25104KRXRF	BC CON 0.1MF 25V K R XR
C720	CB+25272KRXRF	BC CON 0.0027MF 25V K R XR
C721	CB+25153KRXRF	BC CON 0.015MF 25V K R XR
C818	CB+25223KRXRF	BC CON 0.022MF 25V K R XR
C819	CB+25104KRXRF	BC CON 0.1MF 25V K R XR
C820	CB+25272KRXRF	BC CON 0.0027MF 25V K R XR
C821	CB+25153KRXRF	BC CON 0.015MF 25V K R XR
R724	RC/+4223JT++R	CARBON T 22K OHM J1/4WR25

Ref. No.	Part No.	Description
R725	RC/+4224JT++R	CARBON T 220KOHM J1/4WR25
R726	RC/+4472JT++R	CARBON T 4.7KOHM J1/4WR25
R727	RC/+4392JT++R	CARBON T 3.9KOHM J1/4WR25
R728	RC/+4152JT++R	CARBON T 1.5KOHM J1/4WR25
R824	RC/+4223JT++R	CARBON T 22K OHM J1/4WR25
R825	RC/+4224JT++R	CARBON T 220KOHM J1/4WR25
R826	RC/+4472JT++R	CARBON T 4.7KOHM J1/4WR25
R827	RC/+4392JT++R	CARBON T 3.9KOHM J1/4WR25
R828	RC/+4152JT++R	CARBON T 1.5KOHM J1/4WR25

MAIN VOLUME PCB ASSY

Ref. No.	Part No.	Description
56	141-4-285T-34800	P.C BOARD ASSY, MAIN VOLUME
VR702,802	4-220T-20271	VARIABLE RESISTOR, 100KA, VOLUME

LED PCB ASSY

Ref. No.	Part No.	Description
57	141-4-285T-34900	P.C BOARD ASSY, LED
D909	SLSLP138CB5RE	LED SLP138C-51 B RE
D910	SLSLP238FB5PG	LED SLP238F-51P B GR
D911	SLSLP238FB5PG	LED SLP238F-51P B GR
D912	SLSLP238FB5PG	LED SLP238F-51P B GR

HEADPHONE SOCKET PCB ASSY

Ref. No.	Part No.	Description
58	141-4-285T-35000	P.C BOARD ASSY, HEADPHONE SOCKET
	4-240T-63071	SOCKET, HEADPHONE

REGULATOR PCB ASSY

Ref. No.	Part No.	Description
59	141-4-285T-35100	P.C BOARD ASSY, REGULATOR
IC702	⚠ SINJM7812A+++	IC NJM7812A SIP03
C909	CE+16106MR++F	ELECT 10MF 16V M R

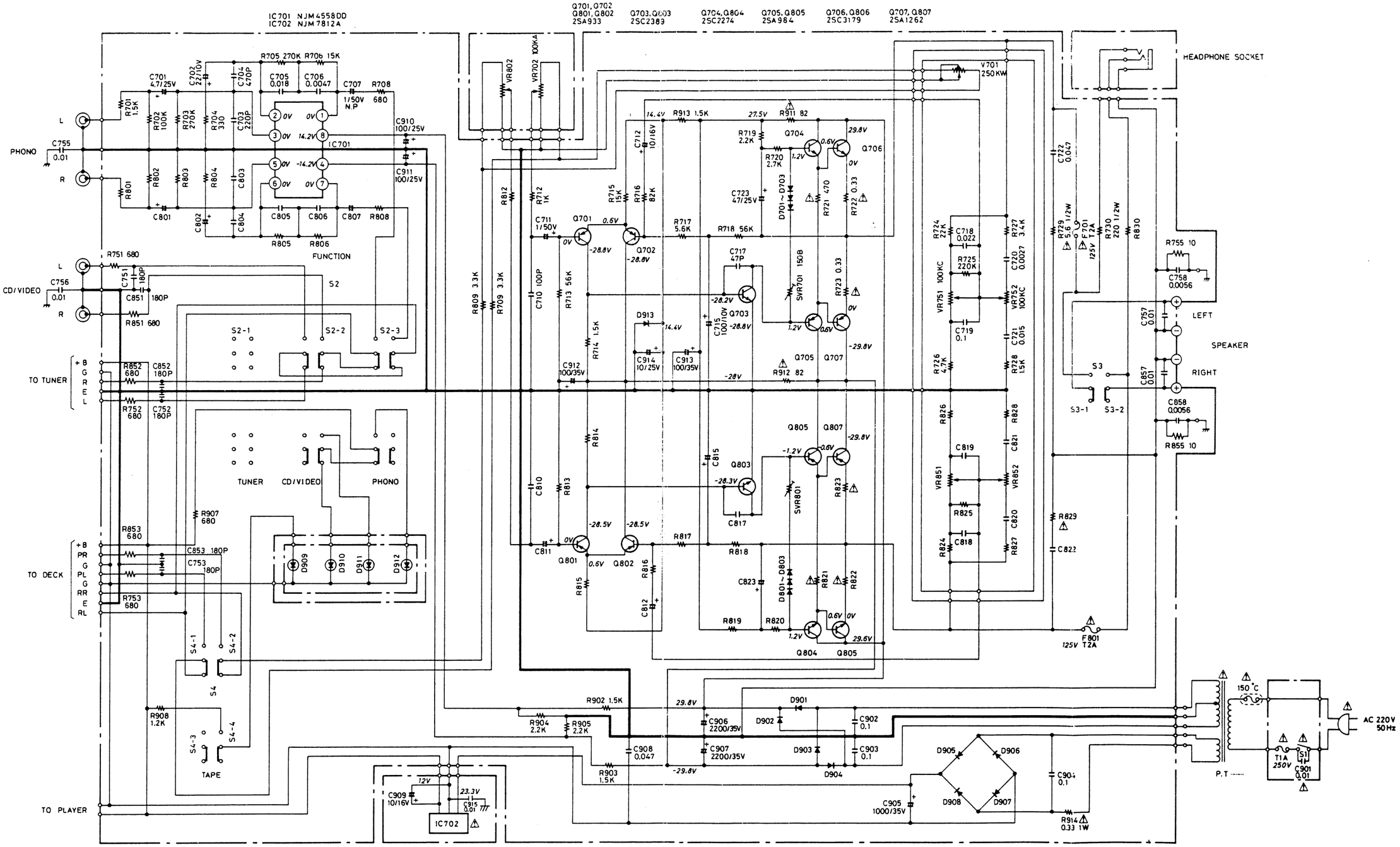
POWER SWITCH PCB ASSY

Ref. No.	Part No.	Description
60	141-4-285T-35200	P.C BOARD ASSY, POWER SWITCH
	141-2-381T-04202	BRACKET, FUSE
	141-2-382T-18900	TERMINAL
	4-237T-00100	TERMINAL BOARD
	141-2-135T-75700	COVER
S1	⚠ 4-238T-70380	SWITCH, POWER
C901	⚠ 4-223T-12100	CAPACITOR 0.01MF 400V
or	⚠ 4-223T-12280	CAPACITOR 0.01MF 125V

MAIN PCB ASSY

Ref. No.	Part No.	Description
61	141-4-285T-34600	P.C BOARD ASSY, MAIN
	4-240T-50471	SOCKET
	4-237T-09993	TERMINAL BOARD
	141-2-381T-04202	BRACKET, FUSE
	4-237T-00100	TERMINAL BOARD
	4-267T-02600	SOCKET
	4-267T-02700	SOCKET
S2	4-248T-09600	SWITCH, FUNCTION
S3	4-238T-82471	SWITCH, SPEAKER
S4	4-248T-02300	SWITCH, TAPE MONITOR
SVR701	4-222T-73595	SEMI-FIXED RESISTOR, 150B
SVR801	4-222T-73595	SEMI-FIXED RESISTOR, 150B
IC701	SINJM4558DD++	IC NJM4558DD DIP08
Q701	STA933+S+L+++	TR 2SA933 S L
Q702	STA933+S+L+++	TR 2SA933 S L
Q703	STC2389R+++++	TR 2SC2389 R
Q704	STC2274E+++K+	TR 2SC2274 E K
Q705	STA984+E+++K+	TR 2SA984 E K
Q706	STC3179Y+++++	TR 2SC3179 Y
Q707	STA1262Y+++++	TR 2SA1262 Y
Q801	STA933+S+L+++	TR 2SA933 S L
Q802	STA933+S+L+++	TR 2SA933 S L
Q803	STC2389R+++++	TR 2SC2389 R
Q804	STC2274E+++K+	TR 2SC2274 E K
Q805	STA984+E+++K+	TR 2SA984 E K
Q806	STC3179Y+++++	TR 2SC3179 Y
Q807	STA1262Y+++++	TR 2SA1262 Y
D701	SDDS442+X+++T	DIODE DS442 X
D702	SDDS442+X+++T	DIODE DS442 X
D703	SDDS442+X+++T	DIODE DS442 X
D801	SDDS442+X+++T	DIODE DS442 X
D802	SDDS442+X+++T	DIODE DS442 X
D803	SDDS442+X+++T	DIODE DS442 X
D901	SDDS135+D+++L	DIODE DS135 D L
D902	SDDS135+D+++L	DIODE DS135 D L
D903	SDDS135+D+++L	DIODE DS135 D L
D904	SDDS135+D+++L	DIODE DS135 D L
D905	SDDS135+D++++	DIODE DS135 D
D906	SDDS135+D++++	DIODE DS135 D
D907	SDDS135+D++++	DIODE DS135 D
D908	SDDS135+D++++	DIODE DS135 D
D913	SDMTZ150B+++T	ZENER DIODE MTZ15.0B
C701	CE+25475MR++F	ELECT 4.7MF 25V M R
C702	CE+10226MR++F	ELECT 22MF 10V M R
C703	CC+50221KRSLF	CERAMIC 220PF 50V K R SL
C704	CC+50471KRSLF	CERAMIC 470PF 50V K R SL
C705	CB+25183KRXRF	BC CON 0.018MF 25V K R XR
C706	CB+25472KRXRF	BC CON 0.0047MF 25V K R XR
C707	CW+50105QRNPF	NONPOLAR 1MF 50V Q R NP
C710	CC+50101KRSLF	CERAMIC 100PF 50V K R SL
C711	CE+50105MR++F	ELECT 1MF 50V M R
C712	CE+16106MR++F	ELECT 10MF 16V M R
C715	CE+10107MR++F	ELECT 100MF 10V M R
C717	CC+50470KRSLF	CERAMIC 47PF 50V K R SL
C722	CM+50473MR++F	MYLAR 0.047MF 50V M R
C723	CE+25476MR++F	ELECT 47MF 25V M R
C751	CC+50181KRSLF	CERAMIC 180PF 50V K R SL
C752	CC+50181KRSLF	CERAMIC 180PF 50V K R SL
C753	CC+50181KRSLF	CERAMIC 180PF 50V K R SL
C755	CC+50103ZRZFF	CERAMIC 0.01MF 50V Z R ZF
C756	CC+50103ZRZFF	CERAMIC 0.01MF 50V Z R ZF
C757	CM+50103MR++F	MYLAR 0.01MF 50V M R
C758	CM+50562MR++F	MYLAR 0.0056MF 50V M R
C801	CE+25475MR++F	ELECT 4.7MF 25V M R
C802	CE+10226MR++F	ELECT 22MF 10V M R
C803	CC+50221KRSLF	CERAMIC 220PF 50V K R SL
C804	CC+50471KRSLF	CERAMIC 470PF 50V K R SL
C805	CB+25183KRXRF	BC CON 0.018MF 25V K R XR
C806	CB+25472KRXRF	BC CON 0.0047MF 25V K R XR
C807	CW+50105QRNPF	NONPOLAR 1MF 50V Q R NP
C810	CC+50101KRSLF	CERAMIC 100PF 50V K R SL
C811	CE+50105MR++F	ELECT 1MF 50V M R
C812	CE+16106MR++F	ELECT 10MF 16V M R
C815	CE+10107MR++F	ELECT 100MF 10V M R
C817	CC+50470KRSLF	CERAMIC 47PF 50V K R SL
C822	CM+50473MR++F	MYLAR 0.047MF 50V M R
C823	CE+25476MR++F	ELECT 47MF 25V M R
C851	CC+50181KRSLF	CERAMIC 180PF 50V K R SL
C852	CC+50181KRSLF	CERAMIC 180PF 50V K R SL
C853	CC+50181KRSLF	CERAMIC 180PF 50V K R SL
C857	CM+50103MR++F	MYLAR 0.01MF 50V M R
C858	CM+50562MR++F	MYLAR 0.0056MF 50V M R
C902	CM+50104MR++F	MYLAR 0.1MF 50V M R
C903	CM+50104MR++F	MYLAR 0.1MF 50V M R

SCHEMATIC DIAGRAM



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Leakage-current or resistance measurements must be made to determine that exposed parts are acceptably insulated from the supply circuit before returning the product to the customer.

TRANSISTOR CONNECTION

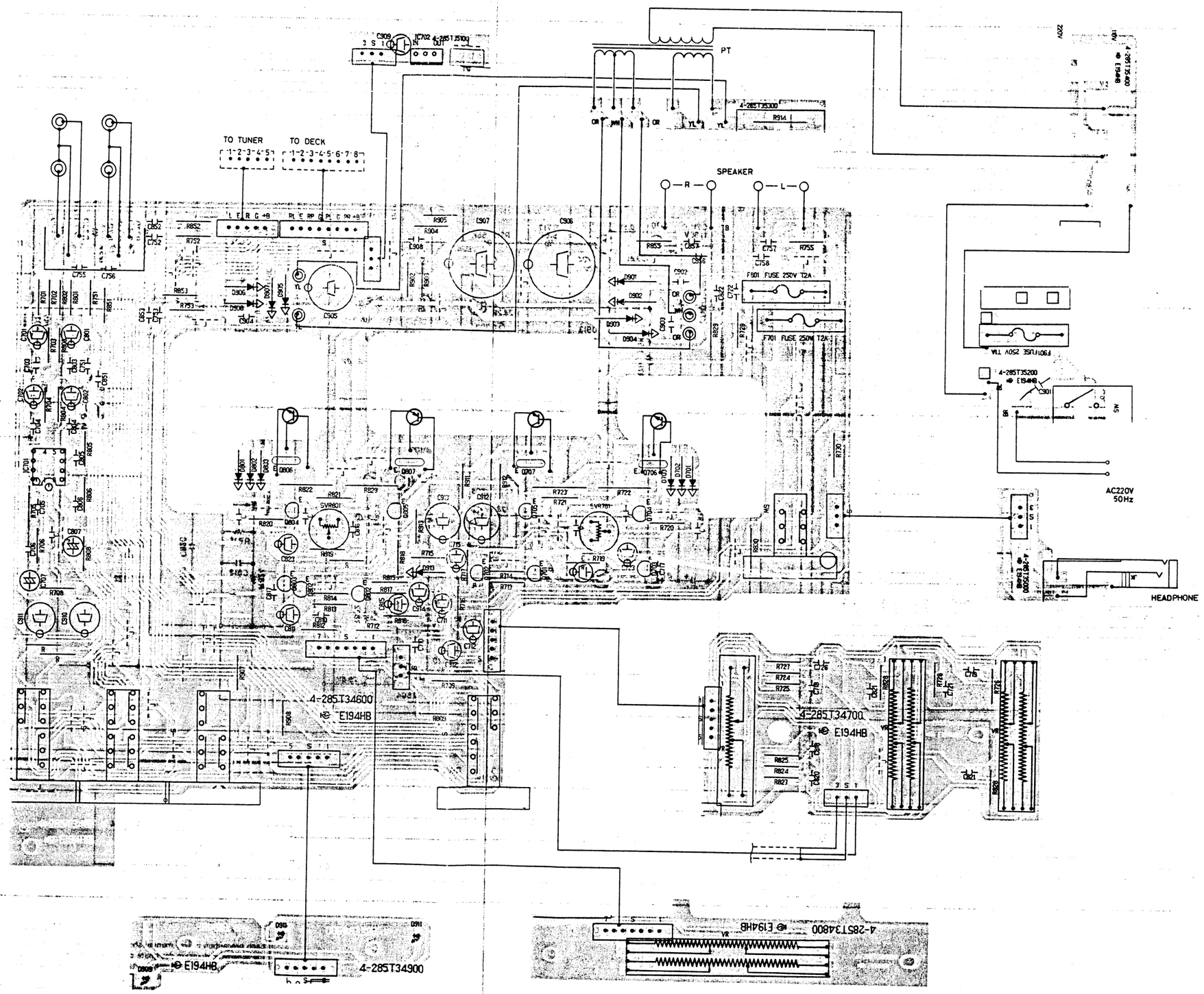
2SC2389 ..... Q703, 803
2SC2274 ..... Q704, 804
2SA984 ..... Q705, 805

2SC3179 ..... Q706, 806
2SA1262 ..... Q707, 807

IC CONNECTION

NJM4558DD IC701

NJM7812A IC702



PARTS LIST

Ref. No.	Part No.	Description
C904	CM+50104MR++F	MYLAR 0.1MF 50V M R
C905	CE+35108MY++S	ELECT 1000MF 35V M Y
C906	CE+35228QY++S	ELECT 2200MF 35V Q Y
C907	CE+35228QY++S	ELECT 2200MF 35V Q Y
C908	CC+50473ZRZFF	CERAMIC 0.047MF 50V Z R ZF
C910	CE+25107MR++F	ELECT 100MF 25V M R
C911	CE+25107MR++F	ELECT 100MF 25V M R
C912	CE+35107MY++S	ELECT 100MF 35V M Y
C913	CE+35107MY++S	ELECT 100MF 35V M Y
C914	CE+25106MR++F	ELECT 10MF 25V M R
R701	RC/+4152JT++R	CARBON T 1.5KOHM J1/4WR25
R702	RC/+4104JT++R	CARBON T 100KOHM J1/4WR25
R703	RC/+4274JT++R	CARBON T 270KOHM J1/4WR25
R704	RC/+4331JT++R	CARBON T 330 OHM J1/4WR25
R705	RC/+4274JT++R	CARBON T 270KOHM J1/4WR25
R706	RC/+4153JT++R	CARBON T 15K OHM J1/4WR25
R708	RC/+4681JT++R	CARBON T 680 OHM J1/4WR25
R709	RC/+4332JT++R	CARBON T 3.3KOHM J1/4WR25
R712	RC/+4102JT++R	CARBON T 1K OHM J1/4WR25
R713	RC/+4563JT++R	CARBON T 56K OHM J1/4WR25
R714	RC/+4152JT++R	CARBON T 1.5KOHM J1/4WR25
R715	RC/+4153JT++R	CARBON T 15K OHM J1/4WR25
R716	RC/+4823JT++R	CARBON T 82K OHM J1/4WR25
R717	RC/+4562JT++R	CARBON T 5.6KOHM J1/4WR25
R718	RC/+4563JT++R	CARBON T 56K OHM J1/4WR25
R719	RC/+4222JT++R	CARBON T 2.2KOHM J1/4WR25
R720	RC/+4272JT++R	CARBON T 2.7KOHM J1/4WR25
R721	⚠ RF/+4471JSFPR	FP-CARBON S 470 J 1/4WR25
R722	⚠ RM++1R33JS+++	METAL S 0.33 OHM J 1W
R723	⚠ RM++1R33JS+++	METAL S 0.33 OHM J 1W
R729	⚠ RF/+25R6JSFP+	FP-CARBON S 5.6 J 1/2W
R730	RF/+2221JSFP+	FP-CARBON S 220 J 1/2W
R751	RC/+4681JT++R	CARBON T 680 OHM J1/4
R752	RC/+4681JT++R	CARBON T 680 OHM J1/4
R753	RC/+4681JT++R	CARBON T 680 OHM J1/4
R755	RC/+4100JT++R	CARBON T 10 OHM J1/4WR25
R801	RC/+4152JT++R	CARBON T 1.5KOHM J1/4WR25
R802	RC/+4104JT++R	CARBON T 100KOHM J1/4WR25
R803	RC/+4274JT++R	CARBON T 270KOHM J1/4WR25

Ref. No.	Part No.	Description
R804	RC/+4331JT++R	CARBON T 330 OHM J1/4WR25
R805	RC/+4274JT++R	CARBON T 270KOHM J1/4WR25
R806	RC/+4153JT++R	CARBON T 15K OHM J1/4WR25
R808	RC/+4681JT++R	CARBON T 680 OHM J1/4WR25
R809	RC/+4332JT++R	CARBON T 3.3KOHM J1/4WR25
R812	RC/+4102JT++R	CARBON T 1K OHM J1/4WR25
R813	RC/+4563JT++R	CARBON T 56K OHM J1/4WR25
R814	RC/+4152JT++R	CARBON T 1.5KOHM J1/4WR25
R815	RC/+4153JT++R	CARBON T 15K OHM J1/4WR25
R816	RC/+4823JT++R	CARBON T 82K OHM J1/4WR25
R817	RC/+4562JT++R	CARBON T 5.6KOHM J1/4WR25
R818	RC/+4563JT++R	CARBON T 56K OHM J1/4WR25
R819	RC/+4222JT++R	CARBON T 2.2KOHM J1/4WR25
R820	RC/+4272JT++R	CARBON T 2.7KOHM J1/4WR25
R821	⚠ RF/+4471JSFPR	FP-CARBON S 470 J 1/4WR25
R822	⚠ RM++1R33JS+++	METAL S 0.33 OHM J 1W
R823	⚠ RM++1R33JS+++	METAL S 0.33 OHM J 1W
R829	⚠ RF/+25R6JSFP+	FP-CARBON S 5.6 J 1/2W
R830	RF/+2221JSFP+	FP-CARBON S 220 J 1/2W
R851	RC/+4681JT++R	CARBON T 680 OHM J1/4
R852	RC/+4681JT++R	CARBON T 680 OHM J1/4
R853	RC/+4681JT++R	CARBON T 680 OHM J1/4
R855	RC/+4100JT++R	CARBON T 10 OHM J1/4WR25
R902	RF/+4152JSFPR	FP-CARBON S 1.5K J1/4WR25
R903	RF/+4152JSFPR	FP-CARBON S 1.5K J1/4WR25
R904	RC/+4222JT++R	CARBON T 2.2KOHM J1/4WR25
R905	RC/+4222JT++R	CARBON T 2.2KOHM J1/4WR25
R907	RC/+4681JT++R	CARBON T 680 OHM J1/4WR25
R908	RC/+4122JT++R	CARBON T 1.2KOHM J1/4WR25
R911	⚠ RF/+4820JSFPR	FP-CARBON S 82 J 1/4W R25
R912	⚠ RF/+4820JSFPR	FP-CARBON S 82 J 1/4W R25
R913	RC/+4152JT++R	CARBON T 1.5KOHM J1/4WR25

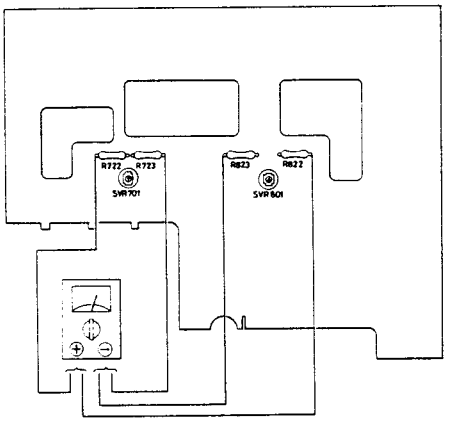
AC SECORDARY PCB ASSY

Ref. No.	Part No.	Description
63	141-4-285T-35300	P.C BOARD ASSY, AC SECONDARY
R914	⚠ RM++1R33JS+++	METAL OXID 0.33 OHM 1W

BIAS CURRENT ADJUSTMENT

CONDITIONS

VOLUME Control	:	"O,, (Minimum)
BALANCE Control	:	"O,, (Center)
BASS Control	:	"O,, (Center)
TREBLE Control	:	"O,, (Center)
FUNCTION Switch	:	"CD/VIDEO,,
SPEAKER Switch	:	"OFF,,
MONITOR Switch	:	"SOURCE,,
Output Load	:	No Load



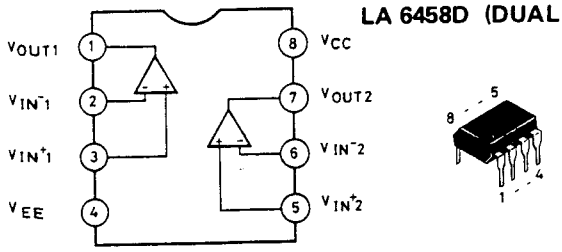
Adjust the SVR 701 and SVR 801 after more than 3 minutes when the power switch is turned on.

L – Channel: SVR701 for 1.2mV reading between the both leads of R723 and R722.

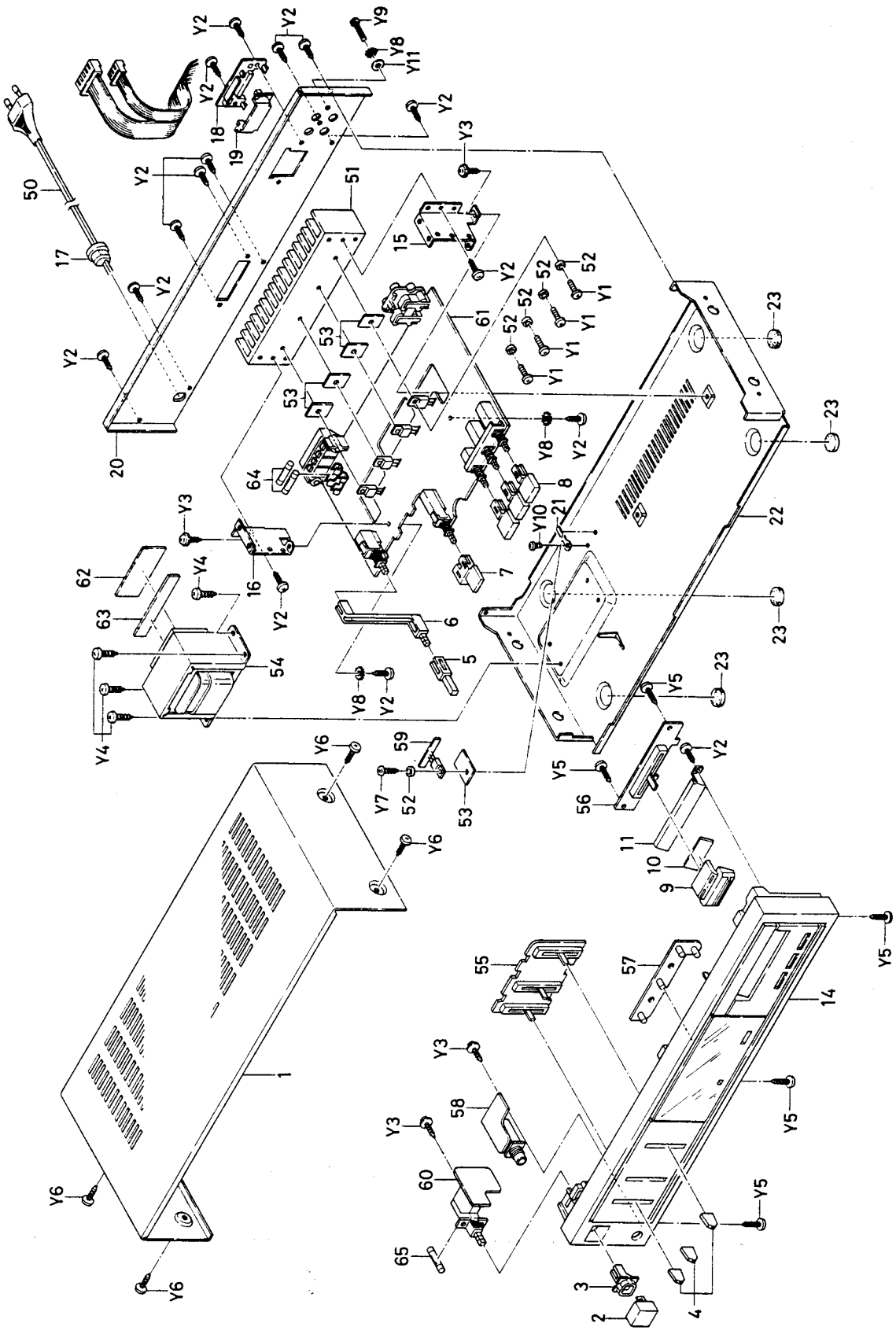
R – Channel: SVR801 for 1.2mV reading between the both leads of R823 and R822.

IC BLOCK DIAGRAM

LA 6458D (DUAL OPERATIONAL AMPLIFIER)



CABIVET & CHASSIS EXPLODED VIEW



SANYO ELECTRIC TRADING CO., LTD.
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PRODUCTION CHANGE NOTICE

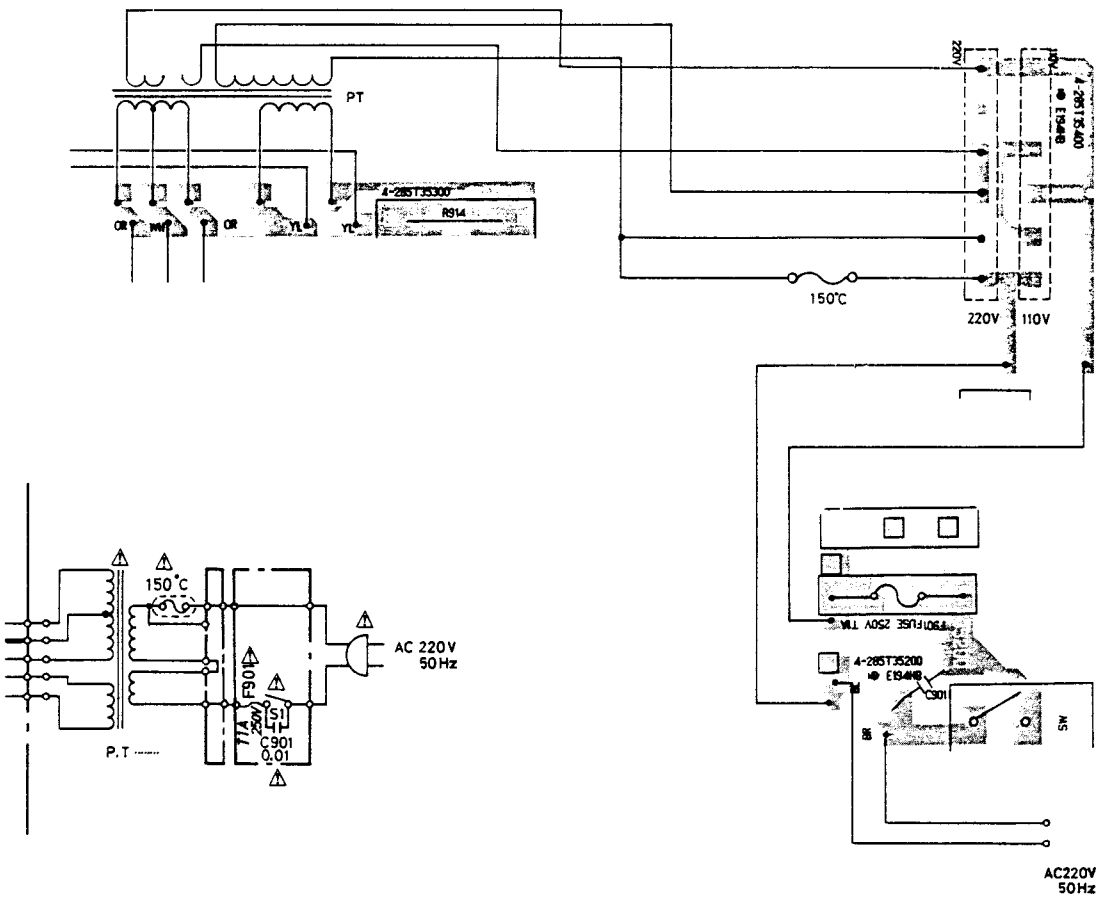
SANYO

POWER AMPLIFIER

JA 226 BLACK (EUROPE)

This unit is manufactured at the factory for use with AC 220V. If you need to change this unit from AC 220V use to AC 110V use, following changes should be made.

1. Remount the primary terminals of the power transformer (4-320T-03300) mounting on the 220V position of the PC Board (4-285T-35400) to 110V position as shown in the figure below.
2. Change the fuse F901 from 4-234T-11084 (250V T1A) to 4-234T-11088 (250V T2A).



* Please replace above parts of the schematic and wiring diagrams with ones of JA 226 service manual.

Add this sheet to Model JA 226 BLACK service manual

Printed in Japan
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WM-16129N

SERVICE MANUAL

POWER AMPLIFIER

SANYO

JA 226 WHITE (EUROPE)

Only parts changed from Model JA226 BLACK are indicated below. For other parts, refer to service manual for Model JA226 BLACK.

Ref. No.	JA226 BLACK	JA226 WHITE	Description	Remark
	141-6-133T-71100	141-6-133T-71101	INNER CORR CASE	
1	141-2-111T-58270	141-2-111T-58200	CABINET	
14	141-0-122T-61500	141-0-122T-61503	FRONT PANEL ASSY	
Y6	BJB2S++3+8+ZK	BJB2S++3+8+NI	BIND HD 2 TAPPING SCREW 3x8 N1	
		141-2-453T-30601	GRAPHITE NYLON WASHER, JOINT (6)	*
	4-240T-16577	CANCEL	SOCKET, PLAYER	*
59	141-4-285T-35100	141-4-285T-35101	P.C. BOARD ASSY, REGULATOR	*
C915		CC+50103ZDZFS	CERAMIC 0.01MF 50VZ D ZF	*
60	141-2-135T-75700	CANCEL	COVER (P.C. BOARD ASSY, POWER SW)	*

NOTE: The parts marked with * are applicable to JA226 BLACK.

Add this sheet to Model JA226 service manual.

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